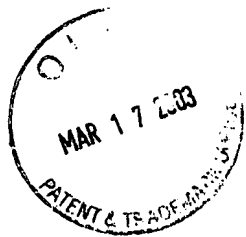


**MOORELAND & MOORE, INC.**  
A PROFESSIONAL PATENT AND TRADEMARK RESEARCH CORPORATION  
SUITE 407  
2001 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202  
Ph. 703-415-1212 Fax 703-415-1215  
mminc@erols.com



November 15, 2002

VIA FEDERAL EXPRESS

George C. Pappas, Esquire  
QUALCOMM INCORPORATED  
5775 Morehouse Drive  
San Diego, CA 92121

Re: *Bias Adjustment For Power Amplifier*  
Your Reference: 990515  
Invoice #60945

---

Dear George:

In accordance with your request of October 23, 2002, we have conducted a preliminary patentability search directed to controlling the bias on one or more stages of a power amplifier based on a signal detected at the output of the amplifier as illustrated and described in your disclosure.

As a result, the following references were noted:

6,437,644 Kenington	5,574,991 Miyama et al.
6,429,736 Parry et al.	5,568,094 Bowden et al.
6,404,284 Johnson	5,420,536 Faulkner et al.
5,886,572 Myers et al.	5,136,257 Reading
5,712,593 Buer et al.	4,317,083 Boyd

U.S. Patent 5,712,593 to Buer et al. appears to be of interest.

The remaining references are intended to further illustrate the state of the art.

George C. Pappas, Esquire

November 15, 2002

Page 2

This search was conducted in Class 330, subclasses 149, 250, 278, 282, 285, 291 and 296; Class 375, subclass 297; Class 455, subclasses 126 and 127 and on computer using Delphion, EPO ESPACE and PTO databases.

Copies of the above mentioned references are enclosed.

Very truly yours,

MOORELAND & MOORE, INC.

  
Bruce P. Moore

BPM/ps

Enclosure